

# Material: ASTM B30 C90700

## Standard Specification for Copper Alloys Ingot and Casting

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ASTM B30 Copper Alloys Ingot and Casting

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.150 max.		
Nickel	Ni %	0.500 max.		
Phosphorus	P %	0.300 max.		
Lead	Pb %	0.500 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	10.300 - 12.000		
Zinc	Zn %	0.500 max.		
Copper	Cu %	86.000 - 90.000	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	280 min.
-	-	-	Yield Strength in Mpa	160 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C90700	UNS	USA	Rod, Bar, Tube and Shapes
B427 C90700	ASTM	USA	Casting
B505 C90700	ASTM	USA	Casting
SB-505 C90700	ASME	USA	Casting
CA907	SAE	USA	Casting
SAE 65	SAE	USA	Casting
CACIn502	KS	Korea	Ingot and Casting

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